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- Patiwat Panurach
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- 4 Ticket based service access for the mobile user**
- Bhrat Patel, Jon Crowcroft
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- Full text available: [pdf\(1.52 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 5 Unlinkable serial transactions: protocols and applications**
- Stuart G. Stubblebine, Paul F. Syverson, David M. Goldschlag
November 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 4
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We present a protocol for unlinkable serial transactions suitable for a variety of network-based subscription services. It is the first protocol to use cryptographic blinding to enable subscription services. The protocol prevents the service from tracking the behavior of its customers, while protecting the service vendor from abuse due to simultaneous or cloned use by a single subscriber. Our basic protocol structure and recovery protocol are robust against failure in protocol termination. ...

Keywords: anonymity, blinding, cryptographic protocols, unlinkable serial transactions

6 Untraceability in mobile networks

Didier Samfat, Refik Molva, N. Asokan

December 1995 **Proceedings of the 1st annual international conference on Mobile computing and networking**

Full text available:  pdf(1.20 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: CDPD, GSM, alias, anonymity, authentication, location privacy, mobility, security

7 Anonymous credit cards

Steven H. Low, Sanjoy Paul, Nicholas F. Maxemchuk

November 1994 **Proceedings of the 2nd ACM Conference on Computer and communications security**

Full text available:  pdf(871.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a communications networking technique for funds transfer which combines the privacy of cash transactions with the security, record-keeping and charging mechanisms of credit cards. The scheme uses a communications network and cryptographic protocols to separate information. The company that extends credit to the individual and collects the bill does not have access to the specific purchases, and the shop that sells the merchandise is convinced that it will be paid without ...

8 Market-based resource control for mobile agents

Jonathan Bredin, David Kotz, Daniela Rus

May 1998 **Proceedings of the second international conference on Autonomous agents**

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9 Untraceable off-line electronic cash flow in e-commerce

H. Wang, Y. Zhang

January 2001 **Australian Computer Science Communications , Proceedings of the 24th Australasian conference on Computer science**, Volume 23 Issue 1

Full text available:  pdf(791.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

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Electronic cash has been playing an important role in electronic - commerce. One of the desirable characteristics is its traceability, which can prevent money laundering and can find the destination of suspicious withdrawals. In this paper we develop a new scheme for untraceable electronic cash, in which the bank involvement in the payment transaction between a user and a receiver is eliminated. The user withdraws electronic "coins" from the

bank and uses them to pay to a receiver. The receiver s ...

Keywords: DLA, cut-and-choose technique, electronic-cash, hash function, random oracle model

10 A new on-line cash check scheme

Robert H. Deng, Yongfei Han, Albert B. Jeng, Teow-Hin Ngair

April 1997 **Proceedings of the 4th ACM conference on Computer and communications security**

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11 Trustee-based tracing extensions to anonymous cash and the making of anonymous change

Ernie Brickell, Peter Gemmell, David Kravitz

January 1995 **Proceedings of the sixth annual ACM-SIAM symposium on Discrete algorithms**

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12 Conditional purchase orders

John Kelsey, Bruce Schneier

April 1997 **Proceedings of the 4th ACM conference on Computer and communications security**

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13 NetCash: a design for practical electronic currency on the Internet

Gennady Medvinsky, Clifford Neuman

December 1993 **Proceedings of the 1st ACM conference on Computer and communications security**

Full text available:  pdf(604.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Licensing is a topic of increasing importance for software publishers and users. More and more, the magnitude of financial transfers between these two partners are determined by some electronic licensing service being part of the system on which the licensed software is running. In order to ease the use and management of such licensing schemes and to enable economic software usage in enterprise-wide computer systems through flexible and fair billing structures, various organizations are wor ...

14 A long-term perspective on electronic commerce

Eric Hughes

November 1997 **netWorker**, Volume 1 Issue 3

Full text available:  pdf(535.69 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

15 Distributed digital-ticket management for rights trading system

Kazuo Matsuyama, Ko Fujimura

November 1999 **Proceedings of the 1st ACM conference on Electronic commerce**

Full text available: Additional Information:

 pdf(152.63 KB)

[full citation](#), [references](#), [index terms](#)

Keywords: account, circulation, coupon, digital ticket, protocol, rights, smart card, trading system

16 A secure marketplace for mobile Java agents 

Kay Neuenhofen, Matthew Thompson

May 1998 **Proceedings of the second international conference on Autonomous agents**

Full text available:  pdf(889.69 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: agent architectures, mobile agents, security

17 Fair exchange with a semi-trusted third party (extended abstract) 

Matthew K. Franklin, Michael K. Reiter

April 1997 **Proceedings of the 4th ACM conference on Computer and communications security**

Full text available:  pdf(869.47 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

18 A new family of authentication protocols 

Ross Anderson, Francesco Bergadano, Bruno Crispo, Jong-Hyeon Lee, Charalampos Manifavas, Roger Needham

October 1998 **ACM SIGOPS Operating Systems Review**, Volume 32 Issue 4

Full text available:  pdf(821.42 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

We present a related family of authentication and digital signature protocols based on symmetric cryptographic primitives which perform substantially better than previous constructions. Previously, one-time digital signatures based on hash functions involved hundreds of hash function computations for each signature; we show that given online access to a timestamping service, we can sign messages using only two computations of a hash function. Previously, techniques to sign infinite streams invol ...

Keywords: authentication, hashing, non-repudiation, timestamping

19 Funkspiel schemes: an alternative to conventional tamper resistance 

Johan Håstad, Jakob Jonsson, Ari Juels, Moti Yung

November 2000 **Proceedings of the 7th ACM conference on Computer and communications security**

Full text available:  pdf(528.32 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

20 On secure and pseudonymous client-relationships with multiple servers 

Eran Gabber, Phillip B. Gibbons, David M. Kristol, Yossi Matias, Alain Mayer

November 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 4

Full text available:  pdf(161.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper introduces a cryptographic engine, Janus, which assists clients in establishing and maintaining secure and pseudonymous relationships with multiple servers. The setting is such that clients reside on a particular subnet (e.g., corporate intranet, ISP) and the servers reside anywhere on the Internet. The Janus engine allows each client-server relationship to use either weak or strong authentication on each interaction. At the same time, each interaction preserves privacy by neither ...

Keywords: Janus function, anonymity, mailbox, persistent relationship, privacy, pseudonym

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